

**OFFICE OF THE EXECUTIVE ENGINEER
DIVISIONAL OFFICE (E/M), U.P. JAL NIGAM, LUCKNOW**

Lowered Assembly Plan-BAHADUR NAGAR, BLOCK-BACHHRAWAN JJM PHASE-II-(678/03)

Type of Rig Machine- D. C RIG MACHINE

Size of Bore - 600 X 450mm,

Static W/L-

District -

Raebareli

Contractor Name - M/S NCC SWSM PROJECT RAEBARELI

LPM-1200

DEPTH OF BORE IN M.B.G.L.	DEPTH OF STRATA IN M.B.G.L.	LOWERED ASSEMBLY	DETAILS OF ASSEMBLY							
			Ø 300 mm dia Housing	Plain pipe from (AGL)	0.00	MAGL to	0.50	MAGL	0.50	M.
	+0.00	Surface Sand Clay	Ø 300 mm dia Housing	Plain pipe from (BGL)	0.00	MBGL to	55.00	MBGL	55.00	M.
	-5.50	Sand With Kanakar	Ø 300 mm dia Housing	Slotted pipe from	55.00	MBGL to	63.00	MBGL	8.00	M.
	-25.50	Heavy fine Sand	Ø 300 mm dia Housing	Plain pipe from	63.00	MBGL to	66.00	MBGL	3.00	M.
	-64.50	Clay With Kanakar	Ø 300 X Ø 150 mm dia	Reducer from	66.00	MBGL to	66.20	MBGL	0.20	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	66.20	MBGL to	286.00	MBGL	219.80	M.
			Ø 150 mm dia Plain pipe	Slotted pipe from	286.00	MBGL to	294.00	MBGL	8.00	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	294.00	MBGL to	300.00	MBGL	6.00	M.
			Ø 150 mm dia Plain pipe	Slotted pipe from	300.00	MBGL to	305.00	MBGL	5.00	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	305.00	MBGL to	310.00	MBGL	5.00	M.
			Ø 150 mm dia Plain pipe	Slotted pipe from	310.00	MBGL to	313.00	MBGL	3.00	M.
			Ø 150 mm dia Plain pipe	Plain pipe from	313.00	MBGL to	319.00	MBGL	6.00	M.
			Total Assembly (AGL + BGL) -						319.50	M.

ABSTRACT	
1. Drilling Started on Dated -	3.11.2023
2. Drilling Completed on Dated --	7.11.2023
3. Drilling Depth -	600 mm Dia 73.00 M
	450 mm Dia 272.00 M
	Total- 345.00 M
4. Assembly lowered on Dated --	29-11-2023
5. Assembly Lowered -	
(A) Housing pipe 300 mm dia (AGL) -	0.50 M
(B) Housing pipe (Plain) 300 mm dia (BGL) -	58.00 M
(C) Slotted pipe 300 mm dia -	8.00 M
(D) Reducer (300 mm X 150 mm dia) -	0.20 M
(E) Slotted pipe 150 mm dia -	16.00 M
(F) Plain pipe 150 mm dia -	236.80 M
Total assembly-	319.50 M
7. Yield Test Date of T/w -	N/A
8. Recommended Discharge -	N/A
9. Pea-Gravel -	55.38 Cum

LOGGING REPORT (Ground water investigation centre) Ref:GIC/JJM/RAEBARELI/166 Dated 8.11.2023

Sl.	Depth Range Mbgl	Thickness m.	Remarks
1	25-35	10	Good
2	40-45	5	Good
3	55-63	8	Good
4	240-250	10	Good to moderate
5	286-298	8	Good to moderate
6	300-305	5	Good to moderate
7	310-313	3	Good to moderate
8	325-335	10	Good to moderate

NOTE 1) Formation of water Quality is deteriorating marginal to saline below 75 mbgl to 225 mbgl. Good Clay encountered in between 225 mbgl to 233 mbgl. Expected TDS 800 -1000

Manager (G.W.)

Prepared & Proposed By
[Signature]
M/S NCC,
PROJECT (SWSM-Raebareli)

Checked By
[Signature]
TPIA
(CEINSYS)

Junior Engineer
(UPJN)

Recommended By
[Signature]
Assistant Engineer
(UPJN)

Approved By
[Signature]
Executive Engineer
(UPJN)



GROUND WATER INVESTIGATION CENTRE

(Ground Water Assessment & Allied Services)

9/43, Sector-9, Jankipuram Extension, Lucknow - 226031

Mob: 9450659011, 8840756551, 9450364183

Email : si.amaresh11@gmail.com, gicaksingh@gmail.com

GSITN: 09ANAPS3037Q1ZG

Ref: GIC/JJM/ Raebareli/166

Date : 08.11.23

GEOPHYSICAL BOREHOLE ELECTRICAL LOGGING REPORT

Site's Location : Village – Bahadur Nagar, Block – Bachharawan
Distt. – Raebareli

Drilling Depth : 350 mbgl as reported by Driller

Logged Depth : 345 mbgl

Date of Logging : 08.11.23

Types of Log : S.P. & Resistivity (Normal & Lateral)

Logger Used : Uptron

Details of major aquifer formations explored from interpretation of Geophysical Logs are given below.

Sl. No.	Depth Range (m, bgl)	Thickness (m)	Types of strata	R _{mf} & R _w
1	25 – 35	10	Good	R _{mf} = 17.6 Ωm R _w = 20.1 Ωm
2	40 – 45	5	Good	
3	55 – 63	8	Good	
4	240 – 250	10	Good to moderate	
5	286 – 298	8	Good to moderate	
6	300 – 305	5	Good to moderate	
7	310 – 313	3	Good to moderate	
8	325 – 335	10	Good to moderate	

Remark : Formation water quality is deteriorating marginal to saline below 75 mbgl to 225 mbgl. Good clay encountered in between 225 mbgl to 233 mbgl. Expected TDS 800 – 1000.

C C :

1. M/S NCC Limited, Raebareli.

Drink

(A.K. Singh)
Geophysicist